



National Aeronautics and Space Administration

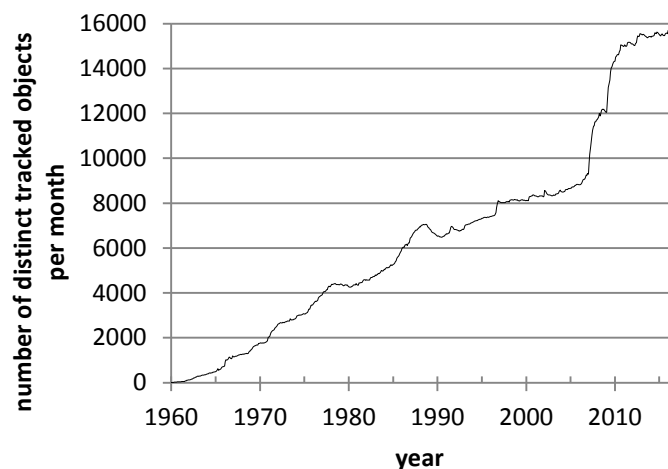
# SO-QT: Collaborative Tool to Project the Future Space Object Population

Jan Stupl, SGT Inc.  
Mission Design Division  
NASA Ames Research Center

# SO-QT: Collaborative Tool to Project the Future Space Object Population



- 1) Provide data for trend analysis on today's and the historic space object environments, by aggregating object-specific tracking data



## Tracked Objects in Earth orbit per date

Year:

Apogee altitude (km):

Inclination:

Perigee:

Type:

Country:

Items per page:

## Countries

AB	AC	ALG	ARGN	AUS	BELA
BRAZ	CA	CHBZ	CHLE	CIS	COL
CZCH	DEN	EGYP	ESA	ESRO	EUME
EUTE	FGFR	FR	GER	GLOB	GREC
HUN	IM	IND	INDO	IRAN	ISRA
ISS	IT	ITSO	JPN	KAZ	LUXE

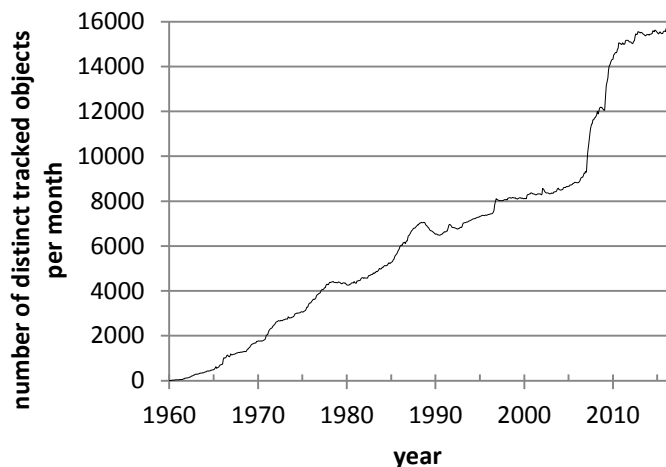
1 2 next > last >

Exposed filters and country legend

# SO-QT: Collaborative Tool to Project the Future Space Object Population



- 1) Provide data for trend analysis on today's and the historic space object environments, by aggregating object-specific tracking data



Tracked Objects in Earth orbit per date

Year:

Apogee altitude (km):

Inclination:

Perigee:

Type:

Country:

Items per page:

Apply

Exposed filters and country legend

Countries

AB	AC	ALG	ARGN	AUS	BELA
BRAZ	CA	CHBZ	CHLE	CIS	COL
CZCH	DEN	EGYP	ESA	ESRO	EUME
EUTE	FGFR	FR	GER	GLOB	GREC
HUN	IM	IND	INDO	IRAN	ISRA
ISS	IT	ITSO	JPN	KAZ	LUXE

1 2 next > last >

- 2) Provide data for future trends through a collaboration platform to collect information on planned launches

Planet Labs

PLANET  
LABS

We started as a small team of physicists and engineers in a garage, using the cubesat form-factor to build our first Dove satellite. Just two years after our first satellite, Planet now operates the largest constellation of Earth-imaging satellites...ever.

Our satellites are collecting a radical new data set with endless, real-world applications. Whether you're measuring agricultural yields, monitoring natural resources, or aiding first responders after natural disasters, our data is here to lend businesses and humanitarian organizations a helping hand. Planet believes timely, global imagery will empower informed, deliberate and meaningful stewardship of our planet.

Location Type

San Francisco, CA  
Private

Industry

Spacecraft design, Robotic spacecraft, Earth observation satellite, Image processing

Founded

December 29, 2010

Number of locations

1 Office

Areas served

Worldwide

Constellation	Apogee	Perigee	Inclination	Country	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Author	Post date
Planet Labs	900.00	900.00	140.00	CAND	54	43	33	22	75	4									mho2	Tuesday, August 23, 2016 - 15:15
Planet Labs	400.00	400.00	0.00	US	15	16	17	32	75	75	75	75	75	75	75	75	75	75	mho2	Tuesday, August 23, 2016 - 14:49